

Worksheet 6. Application Summary

This worksheet will be posted on the web to notify the public of requests for critical use exemptions beyond the 2005 phase out for methyl bromide. Therefore, this worksheet cannot be claimed as CBI.

1. Name of Applicant: International Paper

2. Location: Savannah, Georgia; Headquarters of the Nursery and Orchard Group

3. Crop: Pine SuperTree Seedlings

4. Pounds of Methyl Bromide Requested 2005 92,000

5. Area Treated with Methyl Bromide 2005 270 acre units

6. If methyl bromide is requested for additional years, reason for request:

International Paper SuperTree nurseries grow pine bareroot seedlings on a 2:2 rotation. For a given acre, two years produce seedlings and two years produce cover crop.

Prior to producing seedlings the land is fumigated. Fumigation is needed every year for those acres just beginning a new rotation cycle.

2006 92,000 lbs. Area Treated 270 acres units

2007 92,000 lbs. Area Treated 270 acres units

Place an "X" in the column(s) labeled "Not Technically Feasible" and/or "Not Economically Feasible" where appropriate. Use the "Reasons" column to describe why the potential alternative is not feasible.

Potential Alternatives	Not Technically Feasible	Not Economically Feasible	Reasons
Basamid		X	Potential human and environmental risks, lack of consistently demonstrable effectiveness, loss in crop quantity and quality. The ability to return a ROI of sufficient magnitude to warrant seedling production is doubtful.
Metham-Sodium		X	Proven human and environmental risks, lack of consistently demonstrable effectiveness, loss in crop quantity and quality. The ability to return a ROI of sufficient magnitude to warrant seedling production is doubtful.
Flooding	X	X	Not feasible due to sandy well drained soils. Further, nursery fields are designed to promote water movement from the fields.
Physical Removal	X	X	No practical method to physically remove nutsedge tubers. Handweeding is possible but prohibitively expensive on a large scale.
Ploughing	X	X	Traffic over nursery soils increases soil compaction. Repeated ploughing creates a "plow layer" which inhibits root growth and decreases soil aeration.
Solarization	X		Our nursery cycle (see Appendix 1 Crop Profile for details) requires fumigation to occur just after cover crop removal. This occurs in the late fall to early spring. This period is characterized by low air/soil temperatures and increased clouds. However
Organic Amendments	X		The population of soil pathogens and parasites can be affected by organic amendments. However, the population of weeds is not influenced and could even increased depending on the source of the organic amendment. Effects on seedling size have been variable
General IPM / Crop Rotations	X		At present a workable program to control weeds and soil pathogens and parasites has not been devised. This is the most promising area of research.